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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/629,273	07/29/2003	Zhenya Zhu	0193-PC	5690
. 75	90 02/07/2005		EXAMINER	
CROMPTON CORPORATION			GORR, RACHEL F	
Benson Road Middlebury, C	Г 06749		ART UNIT PAPER NUMBER	
,			1711	
			DATE MAILED: 02/07/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/629,273	ZHU ET AL.				
Office Action Summary	Examiner	Art Unit				
	Rachel F. Gorr	1711				
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet wi	th the correspondence add	ress			
	N V IC CET TO EVOIDE AND	ONTU(O) EDOM				
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perion. - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	1.136(a). In no event, however, may a resply within the statutory minimum of thirt will apply and will expire SIX (6) MON ute, cause the application to become AB	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this con ANDONED (35 U.S.C. § 133).	nmunication.			
Status						
1) Responsive to communication(s) filed on						
	is action is non-final.		•			
3) Since this application is in condition for allow		ers, prosecution as to the	merits is			
closed in accordance with the practice under	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims		·				
4)⊠ Claim(s) <u>1-37</u> is/are pending in the application	on.					
4a) Of the above claim(s) is/are withdo			·			
5)⊠ Claim(s) <u>36</u> is/are allowed.						
6)⊠ Claim(s) <u>1-5,11-17,19-26,28-35 and 37</u> is/ar	e rejected.					
7)⊠ Claim(s) <u>6-10,18 and 27</u> is/are objected to.			•			
8) Claim(s) are subject to restriction and	/or election requirement.					
Application Papers						
9) The specification is objected to by the Exami	ner.					
10)⊠ The drawing(s) filed on 29 July 2003 is/are:		ted to by the Examiner.				
Applicant may not request that any objection to the	ne drawing(s) be held in abeyar	ce. See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the corre	ection is required if the drawing	(s) is objected to. See 37 CFI	R 1.121(d).			
11) The oath or declaration is objected to by the	Examiner. Note the attached	Office Action or form PTC	O-152.			
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign	gn priority under 35 U.S.C. §	119(a)-(d) or (f).				
a)☐ All b)☐ Some * c)☐ None of:						
 Certified copies of the priority docume 	nts have been received.					
Certified copies of the priority docume	nts have been received in A	pplication No				
Copies of the certified copies of the pr	iority documents have been	received in this National S	Stage			
application from the International Bure	, , , , , , , , , , , , , , , , , , , ,					
* See the attached detailed Office action for a li	st of the certified copies not	received.				
Attachment(s)						
1) X Notice of References Cited (PTO-892)	4) Tinterview S	Summary (PTO-413)				
2) D Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s	s)/Mail Date	450)			
 Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date <u>7-29-03</u>. 	98) 5) \(\bigcap \) Notice of Ir \\ 6) \(\bigcap \) Other: \(\bigcap \)	nformal Patent Application (PTO- 	-152)			

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1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-5, 11-17, 19-26, 28-35 and 37 are rejected under 35 U.S.C. 102(b) as being anticipated by Tsuge.

Tsuge discloses a radiation polyurethane produced from a prepolymer with an excess of diisocyanate (see examples) and a polyol, which can be a polyether or a polyester having a molecular weight of 50-2000 (col. 3, lines 45-60). He discloses the same diisocyanates (col. 3, lines 35-40, and in the examples, he shows removing the excess diisocyanate monomer by distillation to a content of 0.5 wt. % or less (col. 6, line 39). In col. 4 lines 25-35, he discloses the same hydroxyl alkyl (meth) acrylates for reacting with the prepolymer and in the same amounts (see examples). In col. 5, lines 15-20, he discloses the use of solvents, and he show the same inhibitor and catalysts at the top of col. 6. In col. 2, lines 46-47, he shows low viscosities for the urethane acrylate. The percentage theoretical of NCO would be the same for the prepolymer because the monomeric diisocyanate is removed.

- 3. Claims 6-10, 18 and 27 are objected to for depending on rejected claims.
- 4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rachel F. Gorr whose telephone number is 571-272-1072. The examiner can normally be reached on Mon., Tues., Thurs., Fri., from 7:00 AM to 5:30 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jim Seidleck can be reached on 571-272-1078. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

R.G. February 1, 2005

RACHEL GORR
PRIMARY EXAMINER